

CLAIMS

1. A telecommunications system, comprising:
- a digital subscriber line;
 - a plurality of analog telephone terminals;
 - at least one digital data terminal;
 - 5 a power supply having a high voltage alternating current input and a low voltage direct current output;
 - a telecommunications customer service terminal having a signal-input terminal for connection to said digital subscriber line, having a plurality of analog telephone output terminals for connection to individual ones of said
 - 10 plurality of analog telephone terminals, having at least one digital data output terminal for connection to said at least one digital data terminal, and having a low voltage direct current power input terminal for connection to said a low voltage direct current output of said power supply;
 - said telecommunications customer service terminal being constructed
 - 15 in the absence of an on/off switch, such that said telecommunications customer service terminal remains continuously active so long as a low voltage direct current is continuously supplied to said low voltage direct current power-input terminal;
 - a length of telephone wire connecting said signal-input terminal of said
 - 20 telecommunications customer service terminal to said digital subscriber line;
 - a plurality of lengths of telephone wire connecting individual ones of said analog telephone output terminals of said telecommunications customer service terminal to individual ones of said plurality of analog telephone terminals;
 - 25 at least one length of telephone wire connecting said at least one digital data output terminal of said telecommunications customer service terminal to said at least one digital data terminal; and

09872084-053107
TOTAL 2084-053107

30 a length of telephone wire connecting said low voltage direct current
power terminal of said telecommunications customer service terminal to said
low voltage direct current output of said power supply.

2. A telecommunications system, comprising:

a power supply having a high voltage alternating current input and a
low voltage direct current output;

5 a telecommunications customer service terminal having a signal input
terminal connected to a digital subscriber line, having a plurality of analog
telephone output terminals connected to individual ones of a plurality of
analog telephone terminals, having at least one digital data output terminal
connected to at least one digital data terminal, and having a low voltage direct
current input terminal for connection to said low voltage direct current output
10 of said power supply; and

a length of AWG telephone wire connecting said low voltage direct
current input terminal of said telecommunications customer service terminal
to said low voltage direct current output of said power supply.

3. The telecommunications system of claim 2 wherein said
telecommunications customer service terminal is constructed in the absence of
an on/off switch, such that said telecommunications customer service terminal
remains continuously active so long as a low voltage direct current is
5 continuously supplied to said low voltage direct current power input terminal,
and wherein said power supply includes:

a manually-removable battery pack that is operable to supply a low
voltage direct current to said low voltage direct current input terminal of said
telecommunications customer service terminal upon failure of said high
10 voltage alternating current input to said power supply, said battery pack being
replaceable with a different battery pack when said battery pack becomes
discharged or relatively discharged in the presence of a failure of said high
voltage alternating current input to said power supply.

09072004-053104

4. A method of constructing a telecommunications system,
comprising;

providing a digital subscriber line;
providing a plurality of analog telephone terminals;

5 providing at least one digital data terminal;
providing a power supply having a high voltage alternating current
input and a low voltage direct current output;

providing a telecommunications customer service terminal having a
signal input terminal for connection to said digital subscriber line, having a
10 plurality of analog telephone output terminals for connection to individual
ones of said plurality of analog telephone terminals, having at least one
digital data output terminal for connection to said at least one digital data
terminal, and having a low voltage direct current power input terminal for
connection to said a low voltage direct current output of said power supply;

15 said telecommunications customer service terminal being constructed
in the absence of an on/off switch, such that said telecommunications
customer service terminal remains continuously active so long as a low
voltage direct current is continuously supplied to said low voltage direct
current power input terminal;

20 providing a length of telephone wire connecting said signal input
terminal of said telecommunications customer service terminal to said digital
subscriber line;

providing a plurality of lengths of telephone wire connecting
individual ones of said analog telephone output terminals of said
25 telecommunications customer service terminal to individual ones of said
plurality of analog telephone terminals;

providing at least one length of telephone wire connecting said at least
one digital data output terminal of said telecommunications customer service
terminal to said at least one digital data terminal; and

040405.830021.000

30 providing a length of telephone wire connecting said low voltage direct
current power terminal of said telecommunications customer service terminal
to said low voltage direct current output of said power supply.

5. The method of claim 4 including:

providing a manually removable battery pack within said power
supply;

said battery pack being operable to supply a low voltage direct current
5 to said low voltage direct current input terminal of said telecommunications
customer service terminal upon failure of said high voltage alternating current
input to said power supply, said battery pack being replaceable with a
different battery pack when said battery pack becomes discharged or
relatively discharged in the presence of a failure of said high voltage
10 alternating current input to said power supply.

09022044 053404